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	Application No.	Applicant(s)	
No dia a Salla di 199	09/508,775	MATTIASSON ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Arlen Soderquist	1743	
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication GHTS. This application is subject t	plication. If not included n will be mailed in due co	i ourse. THIS
1. \boxtimes This communication is responsive to <u>the paper filed Februa</u>	ary 9, 2005.		
2. The allowed claim(s) is/are <u>1,5-9,11-16 and 18-25</u> .		•	•
3. The drawings filed on are accepted by the Examine	r.		
 4. Acknowledgment is made of a claim for foreign priority una a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	been received. been received in Application No		on from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a reply ENT of this application.	complying with the requ	irements
5. A SUBSTITUTE OATH OR DECLARATION must be submi	itted. Note the attached EXAMINER es reason(s) why the oath or declara	'S AMENDMENT or NO ation is deficient.	TICE OF
6. X CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.		
(a) including changes required by the Notice of Draftspers		948) attached	
1) hereto or 2) to Paper No./Mail Date	· ·	,	
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	Amendment / Comment or in the C	Office action of	
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	84(c)) should be written on the drawing he header according to 37 CFR 1.121(ngs in the front (not the b	ack) of
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT In the comment regarding REQUIREMENT REGISTER REGISTER	sit of BIOLOGICAL MATERIAL r FOR THE DEPOSIT OF BIOLOGIC	nust be submitted. No AL MATERIAL.	te the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0: Paper No./Mail Date	5. ☐ Notice of Informal P 6. ☑ Interview Summary Paper No./Mail Dat 7. ☑ Examiner's Amendr 8. ☑ Examiner's Stateme 9. ☐ Other	(PTO-413), te ment/Comment	

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1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

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Authorization for this examiner's amendment was given in a telephone interview with Emily Wagner on February 28, 2005.

2. The application has been amended as follows: in the claims claim 1 has been amended as follows.

3.

- 1. (Currently Amended) A method for producing a metal ion-specific capacity affinity sensor suitable for determining the presence of a certain heavy metal ion of interest in a contacting solution by capacitance measurement, comprising the steps of:
 - a) providing a piece of a noble metal having a surface;
- providing a first self-assembling monolayer-forming molecule comprising a b) coupling group;
- c) contacting said noble metal piece in step a) with the first self-assembling monolayer-forming molecule in step b), thereby obtaining a first self-assembling monolayer on said surface of said noble metal piece;
- d) contacting said first self-assembling monolayer on said noble metal piece with a molecule specifically binding said heavy metal ion, thereby coupling said molecule to said first self-assembling monolayer; and
- e) contacting the piece obtained in step d) with a second self-assembling monolayerforming molecule, thereby obtaining a noble metal surface that is at least 90% covered with a self-assembling monolayer,

wherein the coupling reaction in step d) is carried out in presence of polyethylene-glycoldiglycidyl-ether such that the polyethylene-glycol-diglycidyl-ether entraps the molecule and facilitates the coupling of said molecule to the first self assembling monolayer.

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4. The following changes to the drawings have been approved by the examiner: the figures need to be clearly labeled figure 1 through figure 9 to coincide with their brief descriptions on pages 8-10 of the instant specification. In order to avoid abandonment of the application, applicant must make these above drawing changes.

5. The following is an examiner's statement of reasons for allowance: the art of record fails to teach or fairly suggest the process for producing a metal ion-specific capacity affinity sensor or the sensor made thereby as claimed in claims 1 and 6 in which the metal ion specific binding molecule is coupled to the surface of a piece of noble metal by entrapment using polyethylene-glycol-diglycidyl-ether.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Arlen Soderquist whose telephone number is (571) 272-1265. The examiner's schedule is variable between the hours of about 6:30 AM to about 5:00 PM on Monday through Thursday and alternate Fridays.

A general phone number for the organization to which this application is assigned is (571) 272-1700. The fax phone number to file official papers for this application or proceeding is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

March 1, 2005

Chlen Sodergust

ARLEN SODERQUIST PRIMARY EXAMINER